

Haiying Liu

List of Publications by Year in descending order

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papers

7,390
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41344

49
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62596

80
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all docs

150
docs citations

150
times ranked

8524
citing authors

#	ARTICLE	IF	CITATIONS
1	Noncovalent Engineering of Carbon Nanotube Surfaces by Rigid, Functional Conjugated Polymers. <i>Journal of the American Chemical Society</i> , 2002, 124, 9034-9035.	13.7	765
2	Homogeneous carbon nanotube/polymer composites for electrical applications. <i>Applied Physics Letters</i> , 2003, 83, 2928-2930.	3.3	623
3	Carbon Nanotube~Polymer Nanocomposite Infrared Sensor. <i>Nano Letters</i> , 2008, 8, 1142-1146.	9.1	193
4	A Glucose Biosensor Based on Immobilization of Glucose Oxidase in Electropolymerizedo-Aminophenol Film on Platinized Glassy Carbon Electrode. <i>Analytical Chemistry</i> , 1996, 68, 1632-1638.	6.5	162
5	Highly Water-Soluble Neutral BODIPY Dyes with Controllable Fluorescence Quantum Yields. <i>Organic Letters</i> , 2011, 13, 438-441.	4.6	154
6	Bodipy-backboned polymers as electron donor in bulk heterojunction solar cells. <i>Chemical Communications</i> , 2010, 46, 4148.	4.1	153
7	Direct Wiring of Cytochromec's Heme Unit to an Electrode:~ Electrochemical Studies. <i>Journal of the American Chemical Society</i> , 2002, 124, 9591-9599.	13.7	144
8	Charge-Transfer Mechanism for CytochromecAdsorbed on Nanometer Thick Films. Distinguishing Frictional Control from Conformational Gating. <i>Journal of the American Chemical Society</i> , 2003, 125, 7704-7714.	13.7	124
9	The Nature of Electronic Coupling between Ferrocene and Gold through Alkanethiolate Monolayers on Electrodes:~ The Importance of Chain Composition, Interchain Coupling, and Quantum Interference. <i>Journal of Physical Chemistry B</i> , 2001, 105, 7699-7707.	2.6	121
10	pH-activatable near-infrared fluorescent probes for detection of lysosomal pH inside living cells. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4500-4508.	5.8	111
11	A Versatile, Molecular Engineering Approach to Simultaneously Enhanced, Multifunctional Carbon-Nanotube- Polymer Composites. <i>Advanced Functional Materials</i> , 2006, 16, 114-119.	14.9	108
12	Color Tuning of Polyfluorene Emission with BODIPY Monomers. <i>Macromolecules</i> , 2009, 42, 1995-2001.	4.8	106
13	Preparation of stable carbon nanotube aerogels with high electrical conductivity and porosity. <i>Carbon</i> , 2011, 49, 2352-2361.	10.3	98
14	Synthesis and Optical Properties of Red and Deep-Red Emissive Polymeric and Copolymeric BODIPY Dyes. <i>Chemistry of Materials</i> , 2009, 21, 2130-2138.	6.7	95
15	Near-infrared fluorescent probes based on piperazine-functionalized BODIPY dyes for sensitive detection of lysosomal pH. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2173-2184.	5.8	92
16	Noncovalent Functionalization of Boron Nitride Nanotubes with Poly(<i>p</i> -phenylene-ethynylene)s and Polythiophene. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 104-110.	8.0	86
17	Dithia-Crown-Annulated Tetrathiafulvalene Disulfides:~ Synthesis, Electrochemistry, Self-Assembled Films, and Metal Ion Recognition. <i>Journal of Organic Chemistry</i> , 2000, 65, 3292-3298.	3.2	83
18	A novel near-infrared fluorescent probe for sensitive detection of ~galactosidase in living cells. <i>Analytica Chimica Acta</i> , 2017, 968, 97-104.	5.4	83

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19	Unusual Fluorescent Responses of Morpholine-Functionalized Fluorescent Probes to pH via Manipulation of BODIPY's HOMO and LUMO Energy Orbitals for Intracellular pH Detection. <i>ACS Sensors</i> , 2016, 1, 158-165.	7.8	82
20	Electron-Transfer Dynamics of Cytochrome C: A Change in the Reaction Mechanism with Distance. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4700-4703.	13.8	80
21	Amperometric biosensor sensitive to glucose and lactose based on co-immobilization of ferrocene, glucose oxidase, β -galactosidase and mutarotase in β -cyclodextrin polymer. <i>Analytica Chimica Acta</i> , 1998, 358, 137-144.	5.4	79
22	Highly water-soluble BODIPY-based fluorescent probes for sensitive fluorescent sensing of zinc(ii). <i>Journal of Materials Chemistry B</i> , 2013, 1, 1722.	5.8	79
23	Conjugated Thiol Linker for Enhanced Electrical Conduction of Gold-Molecule Contacts. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5398-5402.	2.6	77
24	Synthesis of Highly Water-Soluble Fluorescent Conjugated Glycopolymers for Lectin and <i>Escherichia coli</i> . <i>Biomacromolecules</i> , 2006, 7, 2470-2474.	5.4	76
25	Remarkably stable self-assembled monolayers of new crown-ether annelated tetrathiafulvalene derivatives and their cation recognition properties. <i>Chemical Communications</i> , 1999, , 1493-1494.	4.1	73
26	Highly Water-Soluble BODIPY-Based Fluorescent Probe for Sensitive and Selective Detection of Nitric Oxide in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 4107-4112.	8.0	73
27	BODIPY-Based Fluorescent Probes for Sensing Protein Surface-Hydrophobicity. <i>Scientific Reports</i> , 2015, 5, 18337.	3.3	73
28	Probing Electron Tunneling Pathways: An Electrochemical Study of Rat Heart Cytochrome c and Its Mutant on Pyridine-Terminated SAMs. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16912-16917.	2.6	68
29	Facile, Versatile Prepolymerization and Postpolymerization Functionalization Approaches for Well-Defined Fluorescent Conjugated Fluorene-Based Glycopolymers. <i>Macromolecules</i> , 2006, 39, 5747-5752.	4.8	68
30	Highly Water-Soluble, Fluorescent, Conjugated Fluorene-Based Glycopolymers with Poly(ethylene) Terephthalate. <i>Journal of Polymer Science Part A: Polymer Chemistry</i> , 2009, 47, 2289-2295.	3.3	67
31	Glycosylation of Quinone-Fused Polythiophene for Reagentless and Label-Free Detection of <i>E. coli</i> . <i>Analytical Chemistry</i> , 2015, 87, 1560-1568.	6.5	67
32	A cyanine-based fluorescent cassette with aggregation-induced emission for sensitive detection of pH changes in live cells. <i>Chemical Communications</i> , 2018, 54, 1133-1136.	4.1	65
33	A new method for the preparation of stable carbon nanotube organogels. <i>Carbon</i> , 2006, 44, 2142-2146.	10.3	64
34	Near-infrared fluorescent probes with BODIPY donors and rhodamine and merocyanine acceptors for ratiometric determination of lysosomal pH variance. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 1-13.	7.8	63
35	A New Dyad Based on C60 and a Conjugated Dimethylaniline-Substituted Dithienylethylene Donor. <i>Journal of Organic Chemistry</i> , 1999, 64, 4884-4886.	3.2	62
36	Surface-Enhanced Resonance Raman Spectroscopic and Electrochemical Study of Cytochrome c Bound on Electrodes through Coordination with Pyridinyl-Terminated Self-Assembled Monolayers. <i>Journal of Physical Chemistry B</i> , 2004, 108, 2261-2269.	2.6	62

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37	New near-infrared rhodamine dyes with large Stokes shifts for sensitive sensing of intracellular pH changes and fluctuations. <i>Chemical Communications</i> , 2018, 54, 7625-7628.	4.1	62
38	Ratiometric Near-Infrared Fluorescent Probes Based On Through-Bond Energy Transfer and π -Conjugation Modulation between Tetraphenylethene and Hemicyanine Moieties for Sensitive Detection of pH Changes in Live Cells. <i>Bioconjugate Chemistry</i> , 2018, 29, 1406-1418.	3.6	61
39	Sonogashira reactions catalyzed by water-soluble, β -cyclodextrin-capped palladium nanoparticles. <i>Catalysis Letters</i> , 2007, 116, 94-100.	2.6	60
40	BODIPY-based ratiometric fluorescent probes for the sensitive and selective sensing of cyanide ions. <i>RSC Advances</i> , 2013, 3, 68-72.	3.6	59
41	Near-infrared emissive BODIPY polymeric and copolymeric dyes. <i>Polymer</i> , 2010, 51, 5359-5368.	3.8	57
42	Near-Infrared Fluorescent Probes with Large Stokes Shifts for Sensing Zn(II) Ions in Living Cells. <i>ACS Sensors</i> , 2016, 1, 1408-1415.	7.8	56
43	Regenerated silk fibroin membrane as immobilization matrix for peroxidase and fabrication of a sensor for hydrogen peroxide utilizing methylene blue as electron shuttle. <i>Analytica Chimica Acta</i> , 1995, 316, 65-72.	5.4	55
44	Organization-Induced Charge Redistribution in Self-Assembled Organic Monolayers on Gold. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14064-14073.	2.6	55
45	Fluorescent probes for sensitive and selective detection of pH changes in live cells in visible and near-infrared channels. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9579-9590.	5.8	55
46	Highly sensitive determination of 4-nitrophenol with coumarin-based fluorescent molecularly imprinted poly (ionic liquid). <i>Journal of Hazardous Materials</i> , 2020, 398, 122854.	12.4	53
47	Controlled Knoevenagel reactions of methyl groups of 1,3,5,7-tetramethyl BODIPY dyes for unique BODIPY dyes. <i>RSC Advances</i> , 2012, 2, 404-407.	3.6	52
48	Near-infrared fluorescent probes based on TBET and FRET rhodamine acceptors with different pK_a values for sensitive ratiometric visualization of pH changes in live cells. <i>Journal of Materials Chemistry B</i> , 2019, 7, 198-209.	5.8	52
49	Reagentless amperometric biosensors highly sensitive to hydrogen peroxide, glucose and lactose based on N-methyl phenazine methosulfate incorporated in a Nafion film as an electron transfer mediator between horseradish peroxidase and an electrode. <i>Analytica Chimica Acta</i> , 1997, 344, 187-199.	5.4	50
50	Characterization of regenerated silk fibroin membrane for immobilizing peroxidase and construction of an amperometric hydrogen peroxide sensor employing phenazine methosulphate as electron shuttle. <i>Journal of Electroanalytical Chemistry</i> , 1995, 397, 157-162.	3.8	48
51	An Amperometric New Methylene Blue N-Mediating Sensor for Hydrogen Peroxide Based on Regenerated Silk Fibroin as an Immobilization Matrix for Peroxidase. <i>Analytical Biochemistry</i> , 1996, 236, 208-214.	2.4	47
52	Electrical properties of air-stable, iodine-doped carbon-nanotube-polymer composites. <i>Applied Physics Letters</i> , 2007, 91, 173103.	3.3	46
53	Solvation and Aggregation of Polyphenylethynylene Based Anionic Polyelectrolytes in Dilute Solutions. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8589-8596.	2.6	46
54	Luminescent Probes for Sensitive Detection of pH Changes in Live Cells through Two Near-Infrared Luminescence Channels. <i>ACS Sensors</i> , 2017, 2, 924-931.	7.8	46

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55	Post-Polymerization Functionalization Approach for Highly Water-Soluble Well-Defined Regioregular Head-to-Tail Glycopolymers. <i>Macromolecules</i> , 2007, 40, 6863-6870.	4.8	45
56	Ultrasensitive Fluorescent Responses of Water-Soluble, Zwitterionic, Boronic Acid-Bearing, Regioregular Head-to-Tail Polythiophene to Biological Species. <i>Chemistry - A European Journal</i> , 2008, 14, 1648-1653.	3.3	44
57	Ratiometric fluorescent probes based on through-bond energy transfer of cyanine donors to near-infrared hemicyanine acceptors for mitochondrial pH detection and monitoring of mitophagy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1603-1615.	5.8	43
58	Immobilization of horseradish peroxidase with a regenerated silk fibroin membrane and its application to a tetrathiafulvalene-mediated H ₂ O ₂ sensor. <i>Biosensors and Bioelectronics</i> , 1997, 12, 1213-1218.	10.1	42
59	Selective and Sensitive Fluorescent Sensors for Metal Ions Based on Manipulation of Side-Chain Compositions of Poly(p-phenyleneethynylene)s. <i>Analytical Chemistry</i> , 2004, 76, 6513-6518.	6.5	42
60	Deep-red emissive conjugated poly(2,6-BODIPY-ethynylene)s bearing alkyl side chains. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5354-5366.	2.3	42
61	Fluorescent probes based on π -conjugation modulation between hemicyanine and coumarin moieties for ratiometric detection of pH changes in live cells with visible and near-infrared channels. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 699-708.	7.8	41
62	Highly water-soluble, near-infrared emissive BODIPY polymeric dye bearing RGD peptide residues for cancer imaging. <i>Analytica Chimica Acta</i> , 2013, 758, 138-144.	5.4	40
63	Immobilization of glucose oxidase onto the blend membrane of poly(vinyl alcohol) and regenerated silk fibroin: morphology and application to glucose biosensor. <i>Journal of Biotechnology</i> , 1996, 46, 131-138.	3.8	39
64	An amperometric lactate sensor employing tetrathiafulvalene in Nafion film as electron shuttle. <i>Electrochimica Acta</i> , 1995, 40, 1845-1849.	5.2	38
65	Selective K ⁺ Recognition at the Interface during Self-Assembly of a Bis-Podand Thiol on a Gold Surface. <i>Langmuir</i> , 2000, 16, 2706-2714.	3.5	38
66	Fluorescence Quenching Mechanism of a Polyphenylene Polyelectrolyte with Other Macromolecules: Cytochrome c and Dendrimers. <i>Langmuir</i> , 2005, 21, 1687-1690.	3.5	38
67	Cell Membrane-Specific Fluorescent Probe Featuring Dual and Aggregation-Induced Emissions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20172-20179.	8.0	38
68	Highly water-soluble neutral near-infrared emissive BODIPY polymeric dyes. <i>Journal of Materials Chemistry</i> , 2012, 22, 2781-2790.	6.7	37
69	One-pot efficient synthesis of dimeric, trimeric, and tetrameric BODIPY dyes for panchromatic absorption. <i>Chemical Communications</i> , 2011, 47, 3508.	4.1	36
70	Electrochemical and Spectroscopic Properties of Boron Dipyrromethene-Thiophene-Triphenylamine-Based Dyes for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2016, 120, 9068-9080.	3.1	36
71	Glycosylated aniline polymer sensor: Amine to imine conversion on protein-carbohydrate binding. <i>Biosensors and Bioelectronics</i> , 2013, 46, 183-189.	10.1	35
72	New Near-Infrared Fluorescent Probes with Single-Photon Anti-Stokes-Shift Fluorescence for Sensitive Determination of pH Variances in Lysosomes with a Double-Checked Capability. <i>ACS Applied Bio Materials</i> , 2018, 1, 549-560.	4.6	35

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73	Feature of an amperometric ferrocyanide-mediating H ₂ O ₂ sensor for organic-phase assay based on regenerated silk fibroin as immobilization matrix for peroxidase. <i>Electrochimica Acta</i> , 1996, 41, 77-82.	5.2	33
74	Self-assembled monolayers of bis-thioctic ester derivatives of oligoethyleneglycols: remarkable selectivity for K ⁺ /Na ⁺ recognition. <i>Chemical Communications</i> , 2000, , 141-142.	4.1	33
75	Immobilization of cytochrome c at Au electrodes by association of a pyridine terminated SAM and the heme of cytochrome. <i>Chemical Communications</i> , 2001, , 1032-1033.	4.1	31
76	A FRET-based near-infrared ratiometric fluorescent probe for detection of mitochondria biotiol. <i>Talanta</i> , 2020, 219, 121296.	5.5	31
77	A novel thin-layer amperometric detector based on chemically modified ring-disc electrode and its application for simultaneous measurements of nitric oxide and nitrite in rat brain combined with in vivo microdialysis. <i>Talanta</i> , 1998, 46, 1547-1556.	5.5	30
78	Adhesion Forces in Conducting Probe Atomic Force Microscopy. <i>Langmuir</i> , 2003, 19, 1929-1934.	3.5	30
79	A near-infrared fluorescent probe based on a hemicyanine dye with an oxazolidine switch for mitochondrial pH detection. <i>Journal of Materials Chemistry B</i> , 2021, 9, 857-863.	5.8	30
80	Immobilization of glucose oxidase with the blend of regenerated silk fibroin and poly(vinyl alcohol) and its application to a 1,1- C_2 -dimethylferrocene-mediated glucose sensor. <i>Applied Biochemistry and Biotechnology</i> , 1997, 62, 105-117.	2.9	29
81	Near-infrared fluorescent probe for sensitive detection of Pb(II) ions in living cells. <i>Inorganica Chimica Acta</i> , 2017, 468, 140-145.	2.4	28
82	Control of the Electron Transfer Rate between Cytochrome c and Gold Electrodes by the Manipulation of the Electrode's Hydrogen Bonding Character. <i>Langmuir</i> , 2003, 19, 2378-2387.	3.5	27
83	Near-Infrared Hybrid Rhodol Dyes with Spiropyran Switches for Sensitive Ratiometric Sensing of pH Changes in Mitochondria and <i>Drosophila melanogaster</i> First-Instar Larvae. <i>ACS Applied Bio Materials</i> , 2019, 2, 4986-4997.	4.6	27
84	A Near-Infrared Fluorescent Probe Based on a FRET Rhodamine Donor Linked to a Cyanine Acceptor for Sensitive Detection of Intracellular pH Alternations. <i>Molecules</i> , 2018, 23, 2679.	3.8	26
85	Functionalization of BODIPY dyes at 2,6-positions through formyl groups. <i>RSC Advances</i> , 2013, 3, 4793.	3.6	25
86	Electrochemical immobilization of horseradish peroxidase on an electro-activated glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 1996, 419, 85-91.	3.8	24
87	Synthesis of Water-Soluble Electroactive Ferrocene-Grafted Poly(p-phenylene-ethynylene) via Phase Transfer and Its Biosensing Application. <i>Biomacromolecules</i> , 2005, 6, 1810-1815.	5.4	23
88	Detecting Zn(II) Ions in Live Cells with Near-Infrared Fluorescent Probes. <i>Molecules</i> , 2019, 24, 1592.	3.8	23
89	Charge Density Effects on the Aggregation Properties of Poly(p-phenylene-ethynylene)-Based Anionic Polyelectrolytes. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3300-3310.	2.6	22
90	Ion Recognition at the Interface of Self-Assembled Monolayers (SAMs) of Bis-Thioctic Ester Derivatives of Oligo(ethyleneglycols). <i>Chemistry - A European Journal</i> , 2000, 6, 4385-4392.	3.3	22

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91	A reagentless biosensor highly sensitive to hydrogen peroxide based on new methylene blue N dispersed in Nafion® gel as the electron shuttle. <i>Journal of Electroanalytical Chemistry</i> , 1996, 417, 59-64.	3.8	21
92	Synthesis of Ferrocene-Grafted Poly(p-phenylene-ethynylenes) and Control of Electrochemical Behaviors of Their Thin Films. <i>Langmuir</i> , 2005, 21, 7860-7865.	3.5	21
93	A ratiometric near-infrared fluorescent probe based on a novel reactive cyanine platform for mitochondrial pH detection. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5150-5161.	5.8	21
94	An amperometric Meldola Blue-mediated sensor high sensitive to hydrogen peroxide based on immobilization of horseradish peroxidase in a composite membrane of regenerated silk fibroin and poly(vinyl alcohol). <i>Analytica Chimica Acta</i> , 1996, 329, 97-103.	5.4	20
95	Interfacial charge transfer events of BODIPY molecules: single molecule spectroelectrochemistry and substrate effects. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23150-23156.	2.8	20
96	Photoelectrochemical properties and interfacial charge transfer kinetics of BODIPY-sensitized TiO ₂ electrodes. <i>RSC Advances</i> , 2013, 3, 2306.	3.6	19
97	A new near-infrared ratiometric fluorescent probe based on quinoline-fused rhodamine dye for sensitive detection of cysteine and homocysteine in mitochondria. <i>Dyes and Pigments</i> , 2020, 183, 108710.	3.7	19
98	Near-infrared fluorescent probe based on cyanine scaffold for sensitive detection of uranyl ions in living cells and water samples. <i>Microchemical Journal</i> , 2022, 180, 107619.	4.5	19
99	Studies on employing tetrathiafulvalene as an electron shuttle incorporated in a montmorillonite-modified immobilization matrix for an enzyme electrode. <i>Journal of Electroanalytical Chemistry</i> , 1996, 419, 93-98.	3.8	18
100	A New Ultramicrosensor for Nitric Oxide Based on Electropolymerized Film of Nickel Salen. <i>Analytical Letters</i> , 1998, 31, 1991-2007.	1.8	18
101	A FRET-Based Near-Infrared Fluorescent Probe for Ratiometric Detection of Cysteine in Mitochondria. <i>ChemBioChem</i> , 2019, 20, 1986-1994.	2.6	18
102	Immobilization of glucose oxidase in the regenerated silk fibroin membrane: Characterization of the membrane structure and its application to an amperometric glucose sensor employing ferrocene as electron shuttle. <i>Journal of Chemical Technology and Biotechnology</i> , 1995, 64, 269-276.	3.2	17
103	Amperometric glucose sensor using tetrathiafulvalene in Nafion gel as electron shuttle. <i>Analytica Chimica Acta</i> , 1995, 300, 65-70.	5.4	17
104	Blend membrane of regenerated silk fibroin, poly(vinyl alcohol), and peroxidase and its application to a ferrocene-mediating hydrogen peroxide sensor. <i>Journal of Applied Polymer Science</i> , 1996, 61, 641-647.	2.6	17
105	Immobilization of glucose oxidase in the composite membrane of regenerated silk fibroin and poly(vinyl alcohol): application to an amperometric glucose sensor. <i>Bioelectrochemistry</i> , 1996, 39, 303-308.	1.0	17
106	Reagentless amperometric biosensor highly sensitive to hydrogen peroxide based on the incorporation of Meldola Blue, fumed-silica and horseradish peroxidase into carbon paste. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 357, 297-301.	1.5	17
107	Evolution in the Supramolecular Complexes between Poly(phenylene ethynylene)-Based Polyelectrolytes and Octadecyltrimethylammonium Bromide as Revealed by Fluorescence Correlation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8218-8226.	2.6	17
108	Biosensing of hydrogen peroxide using new methylene blue N incorporated in a montmorillonite-modified horseradish peroxidase immobilization matrix as an electron shuttle. <i>Analytica Chimica Acta</i> , 1996, 332, 73-81.	5.4	16

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109	Carbon nanotube surface attenuated infrared absorption. <i>Applied Physics Letters</i> , 2008, 92, 043105.	3.3	16
110	Dependence of Fluorescence Quenching of a Poly(p-phenyleneethynylene) Polyelectrolyte on the Electrostatic and Hydrophobic Properties of the Quencher. <i>Langmuir</i> , 2007, 23, 13203-13208.	3.5	15
111	Ratiometric Detection of Glutathione Based on Disulfide Linkage Rupture between a FRET Coumarin Donor and a Rhodamine Acceptor. <i>ChemBioChem</i> , 2021, 22, 2282-2291.	2.6	15
112	Characteristics of regenerated silk fibroin membrane in its application to the immobilization of glucose oxidase and preparation of a p-benzoquinone mediating sensor for glucose. <i>Fresenius' Journal of Analytical Chemistry</i> , 1996, 354, 173-178.	1.5	14
113	Single-Molecule AFM Study of Polystyrene Grafted at Gold Surfaces. <i>Journal of Adhesion</i> , 2005, 81, 999-1016.	3.0	14
114	Entrapment of both glucose oxidase and peroxidase in regenerated silk fibroin membrane. <i>Fresenius' Journal of Analytical Chemistry</i> , 1996, 355, 78-82.	1.5	13
115	A phenazine methosulphate-mediated sensor sensitive to lactate based on entrapment of lactate oxidase and horseradish peroxidase in composite membrane of poly(vinyl alcohol) and regenerated silk fibroin. <i>Electrochimica Acta</i> , 1997, 42, 349-355.	5.2	13
116	Fluorescent probes with high pKa values based on traditional, near-infrared rhodamine, and hemicyanine fluorophores for sensitive detection of lysosomal pH variations. <i>Methods</i> , 2019, 168, 40-50.	3.8	13
117	Feature of Entrapment of Glucose Oxidase in Regenerated Silk Fibroin Membranes and Fabrication of a 1,1'-Dimethylferrocene-Mediating Glucose Sensor. <i>Microchemical Journal</i> , 1996, 53, 241-252.	4.5	12
118	An amperometric glucose sensor based on Eastman-AQ-tetrathiafulvalene modified electrode. <i>Biosensors and Bioelectronics</i> , 1996, 11, 103-110.	10.1	12
119	A Redox Conjugated Polymer-Based All-Solid-State Reference Electrode. <i>Polymers</i> , 2018, 10, 1191.	4.5	12
120	An Amperometric Lactate Sensor Using Tetrathiafulvalene in Polyester Ionomer Film as Electron Transfer. <i>Analytical Letters</i> , 1995, 28, 563-579.	1.8	11
121	Nickelocene-mediating sensor for hydrogen peroxide based on bioelectrocatalytic reduction of hydrogen peroxide. <i>Analytical Proceedings</i> , 1995, 32, 475.	0.4	11
122	Construction of conjugated molecular structures on gold nanoparticles via the Sonogashira coupling reactions. <i>Chemical Communications</i> , 2005, , 1055.	4.1	11
123	Synthesis and biosensing application of highly water-soluble and cross-linkable poly(p-phenyleneethynylene) containing osmium(II) complex and aldehyde groups. <i>Analytica Chimica Acta</i> , 2006, 569, 27-34.	5.4	11
124	Near-infrared fluorescent probe based on rhodamine derivative for detection of NADH in live cells. <i>Methods</i> , 2022, 204, 22-28.	3.8	11
125	Characterization of regenerated silk fibroin membranes for immobilizing glucose oxidase and construction of a tetrathiafulvalene-mediating glucose sensor. <i>Journal of Applied Polymer Science</i> , 1995, 58, 973-980.	2.6	9
126	Immobilization of horseradish peroxidase onto a composite membrane of regenerated silk fibroin and polyvinyl alcohol and its application to a new methylene blue-mediating sensor for hydrogen peroxide. <i>Enzyme and Microbial Technology</i> , 1997, 21, 154-159.	3.2	9

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127	Ion Recognition at the Interface of Self-Assembled Monolayers (SAMs) of Bis-Thioctic Ester Derivatives of Oligo(ethyleneglycols). <i>Chemistry - A European Journal</i> , 2000, 6, 4385-4392.	3.3	9
128	Ratiometric Near-Infrared Fluorescent Probes Based on Hemicyanine Dyes Bearing Dithioacetal and Formal Residues for pH Detection in Mitochondria. <i>Molecules</i> , 2021, 26, 2088.	3.8	9
129	Characterization of blend membranes of regenerated silk fibroin and PVA for immobilizing glucose oxidase and its application to a first generation of glucose sensors. <i>Electroanalysis</i> , 1996, 8, 480-484.	2.9	8
130	Biosensing of Hydrogen Peroxide at Carbon Paste Electrode Incorporating N-Methyl Phenazine Methosulphate, Fumed-Silica and Horseradish Peroxidase. <i>Analytical Letters</i> , 1997, 30, 205-220.	1.8	8
131	Structure and Properties of the Composite Membrane of Regenerated Silk Fibroin and PVA and Its Application to Amperometric Tetrathiafulvalene-Mediating Glucose Sensor. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1996, 33, 209-219.	2.2	7
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